

L2 ANSWER 1 OF 2 REGISTRY COPYRIGHT 1999 ACS  
 RN 79217-60-0 REGISTRY  
 CN Cyclosporin (9CI) (CA INDEX NAME)  
 MF Unspecified  
 CI COM, MAN  
 LC STN Files: AGRICOLA, BIOBUSINESS, BIOSIS, CA, CABA, CAPLUS, CEN,  
 CHEMLIST, CBNB, CIN, EMBASE, MSDS-OHS, NIOSHTIC, PROMT, RTECS\*,  
 TOXLINE,  
 TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*  
 439 REFERENCES IN FILE CA (1967 TO DATE)  
 46 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 440 REFERENCES IN FILE CAPLUS (1967 TO DATE)

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L2 ANSWER 2 OF 2 REGISTRY COPYRIGHT 1999 ACS  
 RN 59865-13-3 REGISTRY  
 CN Cyclosporin A (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1,4,7,10,13,16,19,22,25,28,31-Undecaazacyclotritriacontane, cyclic  
 peptide  
 deriv.  
 OTHER NAMES:  
 CN Antibiotic S 7481F1  
 CN Ciclosporin  
 CN Consupren  
 CN Cyclosporin  
 CN Cyclosporine  
 CN Cyclosporine A  
 CN Cyclo[L-alanyl-D-alanyl-N-methyl-L-leucyl-N-methyl-L-leucyl-N-methyl-L-  
 valyl-(3R,4R,6E)-6,7-didehydro-3-hydroxy-N,4-dimethyl-L-2-aminooctanoyl-L-  
 2-aminobutanoyl-N-methylglycyl-N-methyl-L-leucyl-L-valyl-N-methyl-L-  
 leucyl]  
 CN Neoplanta  
 CN Neoral  
 CN OL 27-400  
 CN Ramihyphin A  
 CN S-Neoral  
 CN Sandimmun  
 CN Sandimmun Neoral  
 CN Sandimmune  
 CN Sang-35  
 FS PROTEIN SEQUENCE; STEREOSEARCH  
 DR 56645-58-0, 55126-45-9, 104250-72-8  
 MF C62 H111 N11 O12  
 CI COM  
 LC STN Files: AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN\*, BIOBUSINESS,  
 BIOSIS,  
 CA, CABA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMLIST, CBNB,  
 CIN, CSCHEM, CSNB, DDFU, DRUGPAT, DRUGU, EMBASE, IFICDB, IFIPAT,  
 IFIUDB,  
 IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PHAR, PROMT,  
 RTECS\*,  
 TOXLINE, TOXLIT, USAN, USPATFULL, VETU  
 (\*File contains numerically searchable property data)

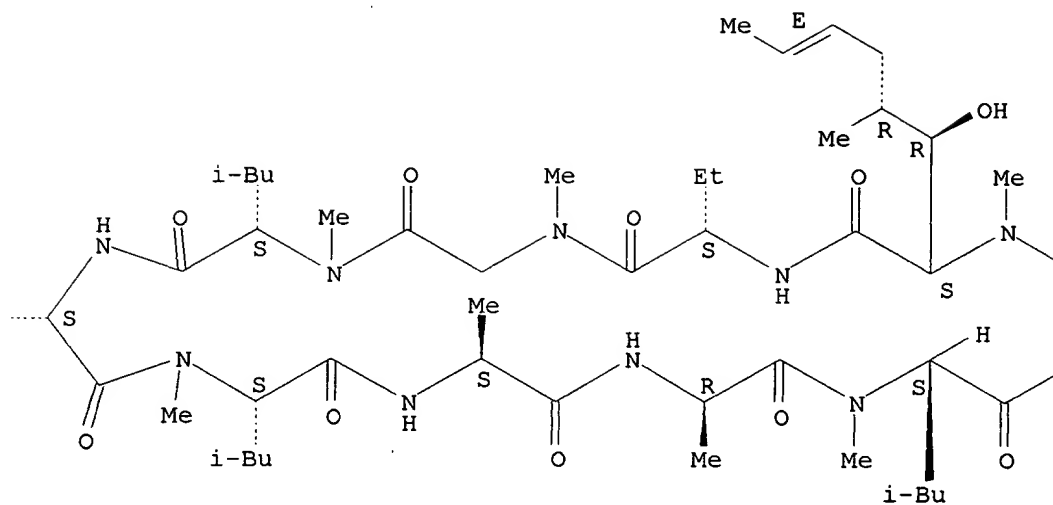
Other Sources: WHO

Absolute stereochemistry.  
Double bond geometry as shown.

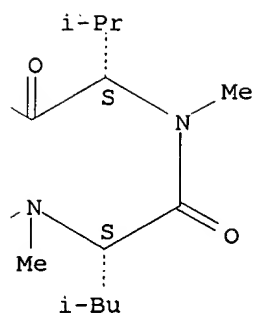
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PAGE 1-B



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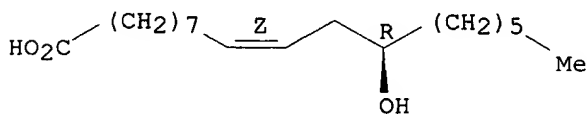
8562 REFERENCES IN FILE CA (1967 TO DATE)

263 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

8603 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L5 ANSWER 1 OF 1 REGISTRY COPYRIGHT 1999 ACS  
 RN 141-22-0 REGISTRY  
 CN 9-Octadecenoic acid, 12-hydroxy-, (9Z,12R)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 9-Octadecenoic acid, 12-hydroxy-, [R-(Z)]-  
 CN **Ricinoleic acid (8CI)**  
 OTHER NAMES:  
 CN 12-D-Hydroxy-9-cis-octadecenoic acid  
 CN 12-Hydroxy-cis-9-octadecenoic acid  
 CN 12-Hydroxyoctadeca-9-enoic acid  
 CN Edenor Ri 90  
 CN Nouracid CS 80  
 CN Ricinic acid  
 CN Ricinolic acid  
 FS STEREOSEARCH  
 DR 8040-35-5, 25607-48-1, 17026-54-9, 45260-83-1  
 MF C18 H34 O3  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CABA,  
 CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM,  
 DETHERM\*, DDFU, DRUGU, EMBASE, HODOC\*, HSDB\*, IFICDB, IFIPAT, IFIUDB,  
 MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM\*, PIRA, PROMT,  
 RTECS\*, SPECINFO, TOXLINE, TOXLIT, TULSA, USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

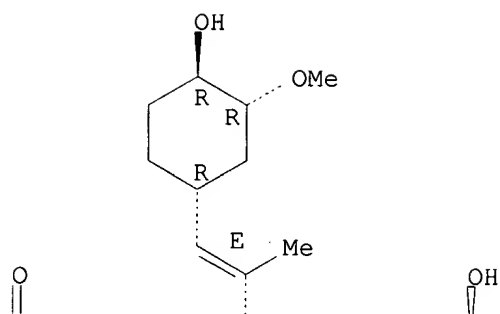
Absolute stereochemistry.  
 Double bond geometry as shown.

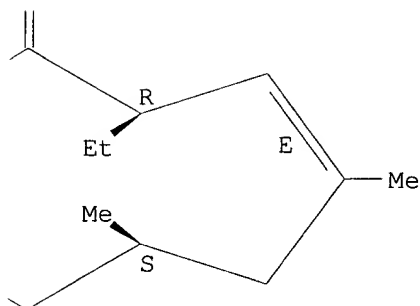
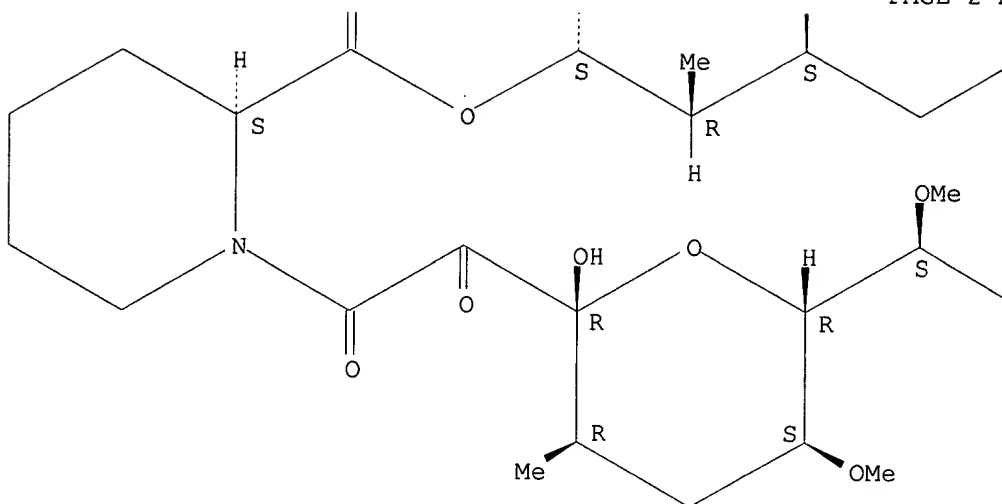


942 REFERENCES IN FILE CA (1967 TO DATE)  
 258 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 942 REFERENCES IN FILE CAPLUS (1967 TO DATE)  
 6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 1999 ACS  
 RN 104987-12-4 REGISTRY  
 CN 15,19-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclotricosine-1,7,20,21(4H,23H)-  
 tetrone, 8-ethyl-5,6,8,11,12,13,14,15,16,17,18,19,24,25,26,26a-  
 hexadecahydro-5,19-dihydroxy-3-[(1E)-2-[(1R,3R,4R)-4-hydroxy-3-  
 methoxycyclohexyl]-1-methylethenyl]-14,16-dimethoxy-4,10,12,18-tetramethyl-  
 , (3S,4R,5S,8R,9E,12S,14S,15R,16S,18R,19R,26aS)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 15,19-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclotricosine-1,7,20,21(4H,23H)-  
 tetrone, 8-ethyl-5,6,8,11,12,13,14,15,16,17,18,19,24,25,26,26a-  
 hexadecahydro-5,19-dihydroxy-3-[2-(4-hydroxy-3-methoxycyclohexyl)-1-  
 methylethenyl]-14,16-dimethoxy-4,10,12,18-tetramethyl-,  
 [3S-[3R\*[E(1S\*,3S\*,4S\*)],4S\*,5R\*,8S\*,9E,12R\*,14R\*,15S\*,16R\*,18S\*,19S\*,26aR  
 \*]]-  
 OTHER NAMES:  
 CN **Ascomycin**  
 CN FK 520  
 CN FR 520  
 CN FR 900520  
 CN Immunomycin  
 CN L 683590  
 FS STEREOSEARCH  
 DR 11011-38-4, 159430-76-9, 126340-36-1, 133876-12-7, 136457-58-4,  
 137767-75-0, 148400-02-6  
 MF C43 H69 N O12  
 SR CA  
 LC STN Files: ADISINSIGHT, AGRICOLA, AIDSLINE, BEILSTEIN\*, BIOBUSINESS,  
 BIOSIS, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CHEMCATS, CIN, CSCHEM,  
 DDFU, DRUGU, EMBASE, IFICDB, IFIUDB, MEDLINE, NAPRALERT, PHAR, PROMT,  
 RTECS\*, TOXLINE, TOXLIT, USPATFULL  
 (\*File contains numerically searchable property data)

Absolute stereochemistry.  
 Double bond geometry as described by E or Z.





186 REFERENCES IN FILE CA (1967 TO DATE)  
 29 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 186 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 1999 ACS

RN 53123-88-9 REGISTRY

CN **Rapamycin (9CI)** (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 23,27-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine, rapamycin deriv.

OTHER NAMES:

CN (-)-Rapamycin

CN (3S,6R,7E,9R,10R,12R,14S,15E,17E,19E,21S,23S,26R,27R,34aS)-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34,34a-Hexadecahydro-9,27-dihydroxy-3-[(1R)-2-[(1S,3R,4R)-4-hydroxy-3-methoxycyclohexyl]-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone

CN 23,27-Epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone, 9,10,12,13,14,21,22,23,24,25,26,27,32,33,

34,34a-hexadecahydro-9,27-dihydroxy-3-[2-(4-hydroxy-3-methoxycyclohexyl)-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-,

[3S-[3R\*[S\*(1R\*,3S\*,4S\*)],6S\*,7E,9S\*,10S\*,12S\*,14R\*,15E,17E,19E,21R\*,23R\*,26S\*,27S\*,34aR\*]]-

CN Antibiotic AY 22989

CN AY 22989

CN SIIA 9268A

CN Sirolimus

CN

[3S-[3R\*[S\*(1R\*,3S\*,4S\*)],6S\*,7E,9S\*,10S\*,12S\*,14R\*,15E,17E,19E,21R\*,23R\*,26S\*,27S\*,34aR\*]]-9,10,12,13,14,21,22,23,24,25,26,27,32,33,34,34a-Hexadecahydro-9,27-dihydroxy-3-[2-(4-hydroxy-3-methoxycyclohexyl)-1-methylethyl]-10,21-dimethoxy-6,8,12,14,20,26-hexamethyl-23,27-epoxy-3H-pyrido[2,1-c][1,4]oxaazacyclohentriacontine-1,5,11,28,29(4H,6H,31H)-pentone

FS STEREOSEARCH

MF C51 H79 N O13

CI COM

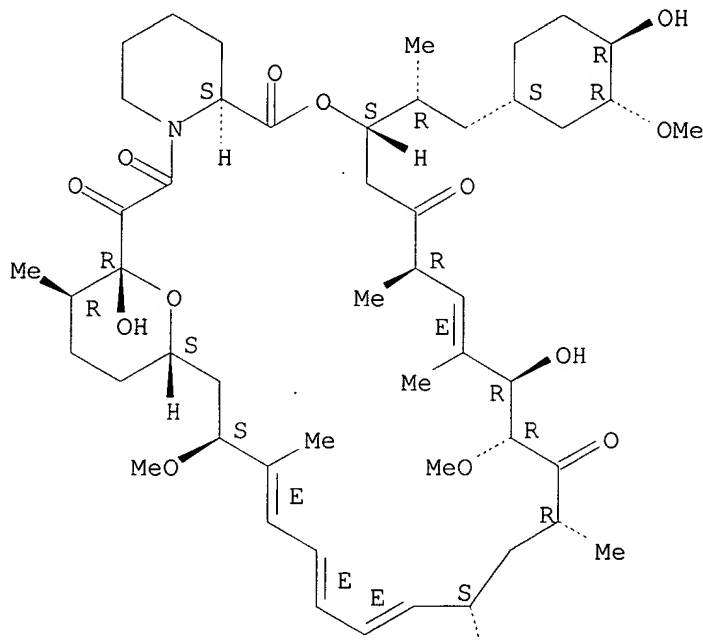
LC STN Files: ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, BEILSTEIN\*, BIOBUSINESS, BIOSIS, CA, CANCERLIT, CAPLUS, CASREACT, CEN, CHEMCATS, CHEMINFORMRX, CIN, CSChem, DDFU, DRUGNL, DRUGPAT, DRUGU, DRUGUPDATES, EMBASE, IFICDB, IFIPAT, IFIUDb, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PHAR, PROMT, RTECS\*, TOXLINE, TOXLIT, USAN, USPATFULL, VETU (\*File contains numerically searchable property data)

Other Sources: WHO

Absolute stereochemistry.

Double bond geometry as shown.

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Me

1140 REFERENCES IN FILE CA (1967 TO DATE)

68 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

1143 REFERENCES IN FILE CAPLUS (1967 TO DATE)